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**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims**

1. (Currently Amended) Process for the sterilization and/or germ reduction of elastomeric two-component impression dental molding materials, said process comprising subjecting the two components in an unmixed state in a primary packing agent to radiation sterilization.

2. (Currently Amended) Process according to Claim 1, wherein the ~~impression materials and/or their components are elastomeric impression materials comprising~~ two components are cross-linkable together.

3. (Currently Amended) Process according to Claim 2, wherein the ~~impression dental mold materials and/or their components~~ further comprise:

- i) silicone impression materials which are cross-linkable via addition curing or condensation curing reactions or via a cross-linking via acrylate or methacrylate groups; or
- ii) polyether impression materials which are cross-linkable via addition curing or condensation curing reactions or via a cross-linking via acrylate or methacrylate groups or via a ring-opening reaction.

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4. (Currently Amended) Process according to Claim 1, wherein the ~~impression~~dental mold materials ~~and/or their components are impression materials~~ having~~comprise~~ a powder component and a fluid component.

5. (Currently Amended) Process according to Claim 4, wherein the ~~impression~~dental mold materials ~~and/or their components~~ comprise an alginate impression material.

6. (Currently Amended) Process according to Claim 1, ~~wherein~~in which further comprises radiation sterilizing, in addition to said ~~impression~~dental mold materials ~~and/or their components~~, an addition cross-linking silicon impression material ~~is used~~, said addition cross-linkable silicon impression material comprising vinyl-group-containing polysiloxanes, said vinyl-group-containing polysiloxanes comprising at least in part diphenyl siloxane- and/or phenyl methyl siloxane structural units.

7. (Currently Amended) Process according to Claim 6, wherein ~~polymers are used, which contain~~ the addition cross-linking silicon impression material comprises a polymer comprising at least 3 Mol-% diphenyl siloxane and/or phenyl methyl siloxane units.

8. (Canceled)

9. (Currently Amended) Process according to Claim ~~[[8]]~~1, wherein the ~~impression material and/or its~~two components are arranged in the primary packaging and are simultaneously radiation treated along with accessories for mixing or for application of the ~~impression~~dental mold material.

10. (Currently Amended) Process according to Claim ~~[[8]]~~1, wherein a twin-chamber cartridge is used as primary packaging and a mixing nozzle as accessory.

11. (Original) Process according to Claim 1, wherein the radiation sterilization is performed by means of gamma rays or electron rays.

12. (Currently Amended) Process according to Claim 11, wherein the radiation sterilization is performed at a radiation dose of a maximum of 50 kGy~~is used~~.

13.-15. (Canceled)

16. (Currently Amended) Process according to Claim 7, wherein the ~~polymers used contain~~polymer comprises at least 10 Mol-% diphenyl siloxane and/or phenyl methyl siloxane units.

17. (Currently Amended) Process according to Claim 12, wherein the